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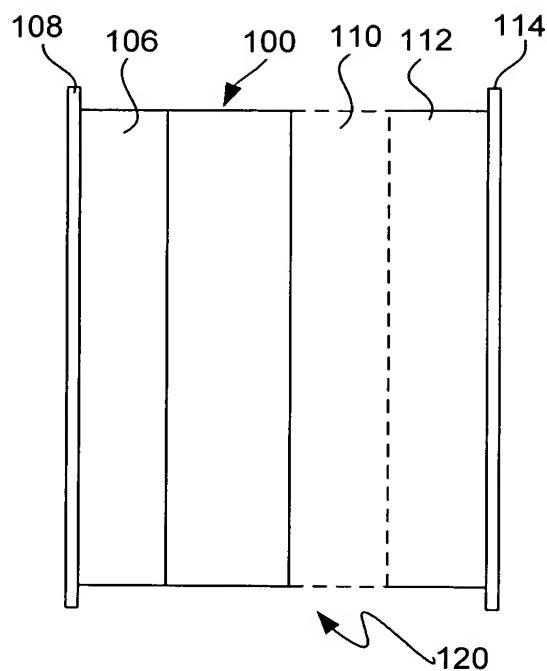


FIG. 1

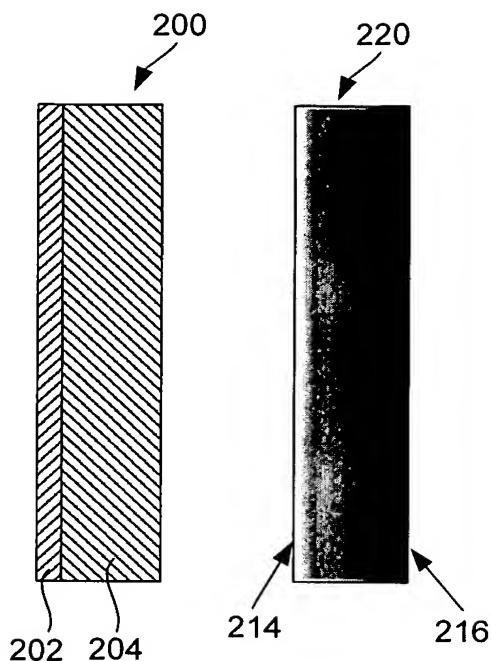


FIG. 2A FIG. 2B

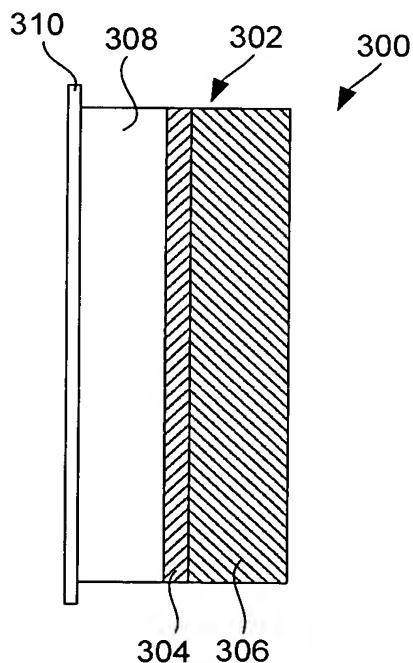


FIG. 3A

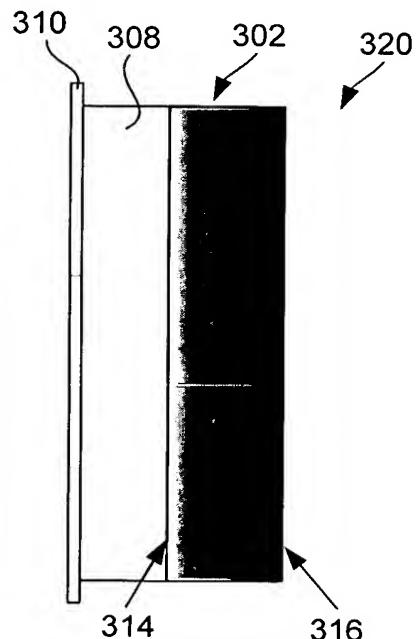


FIG. 3B

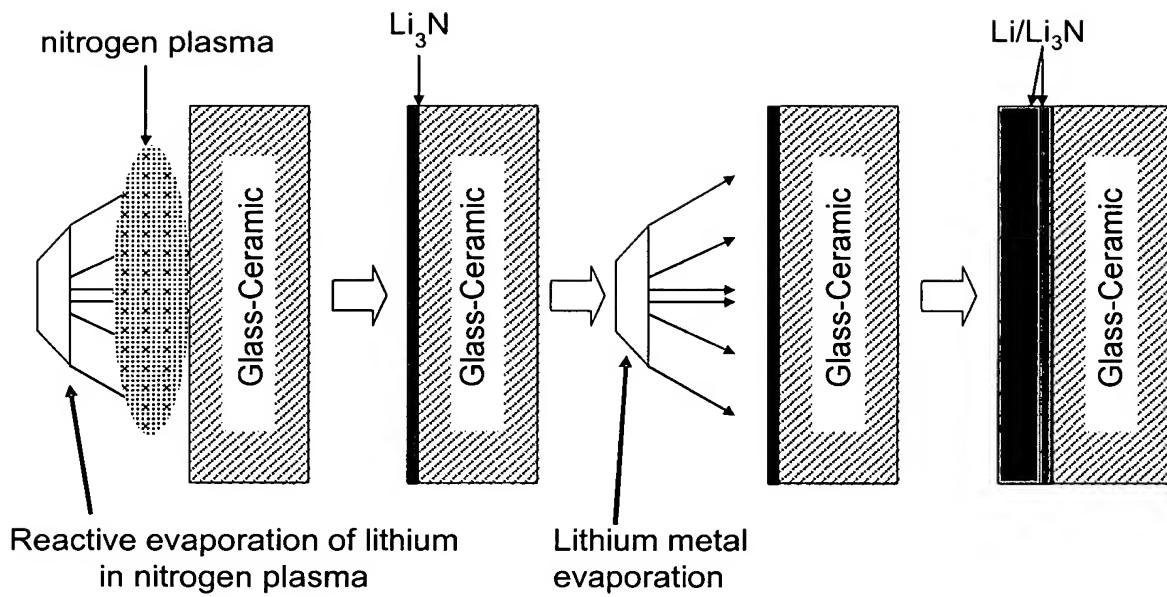


FIG. 4A

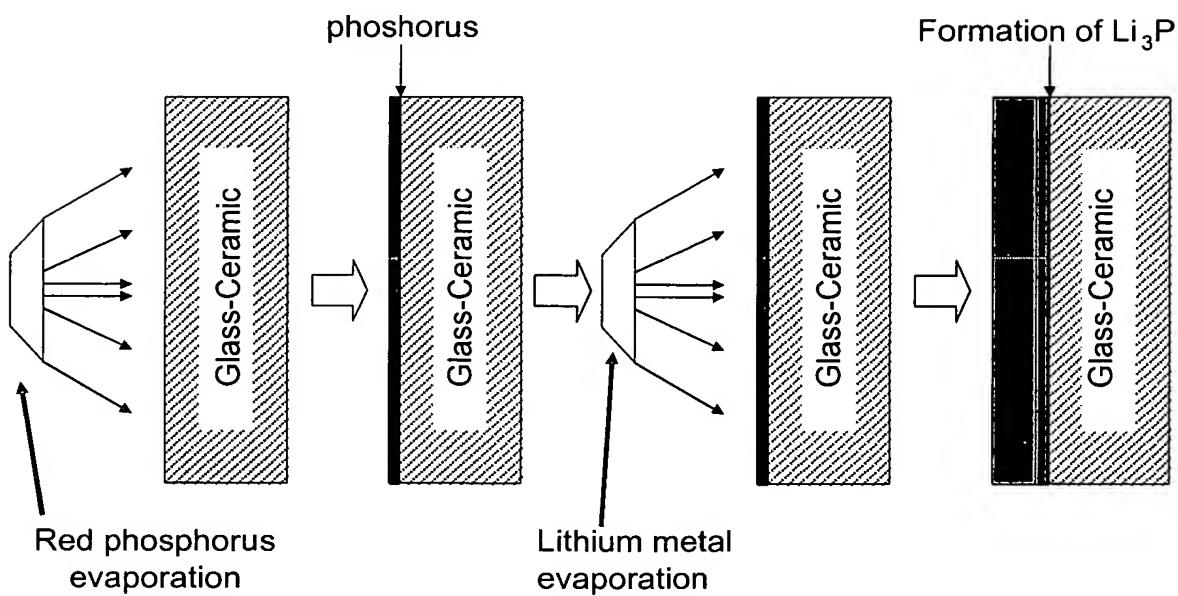


FIG. 4B

Plasma spray, Physical Vapor Deposition, etc.

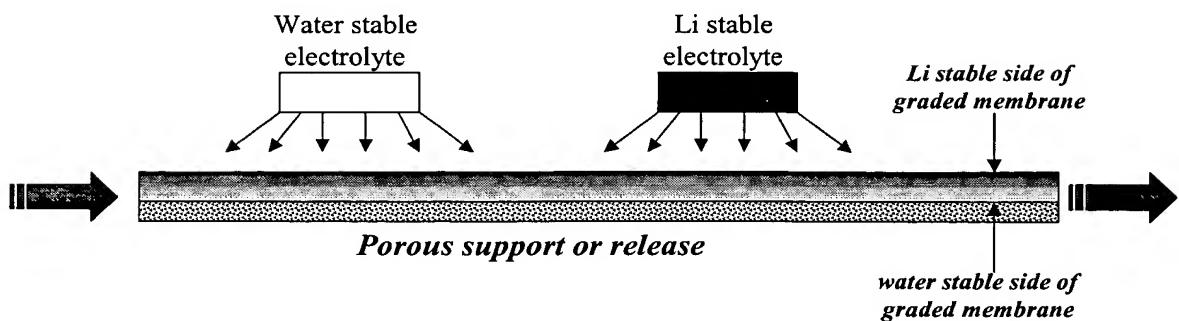


FIG. 5

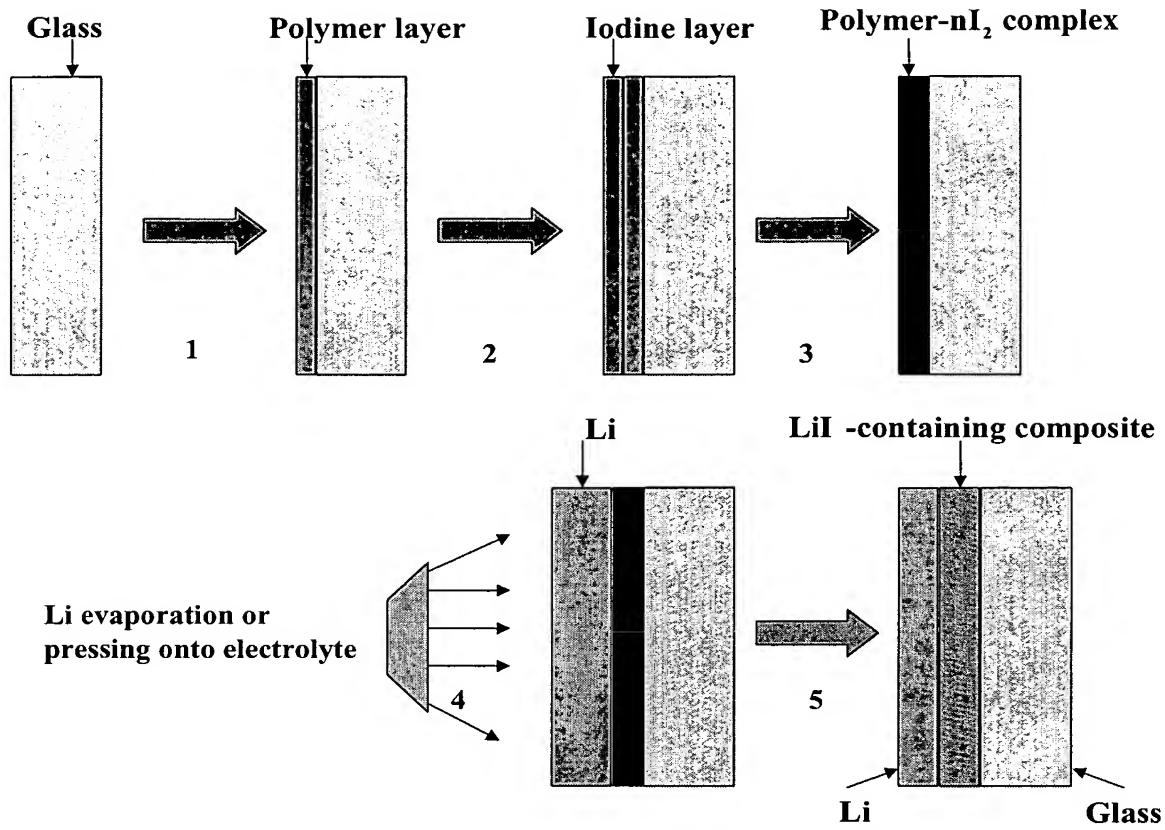


FIG. 6A

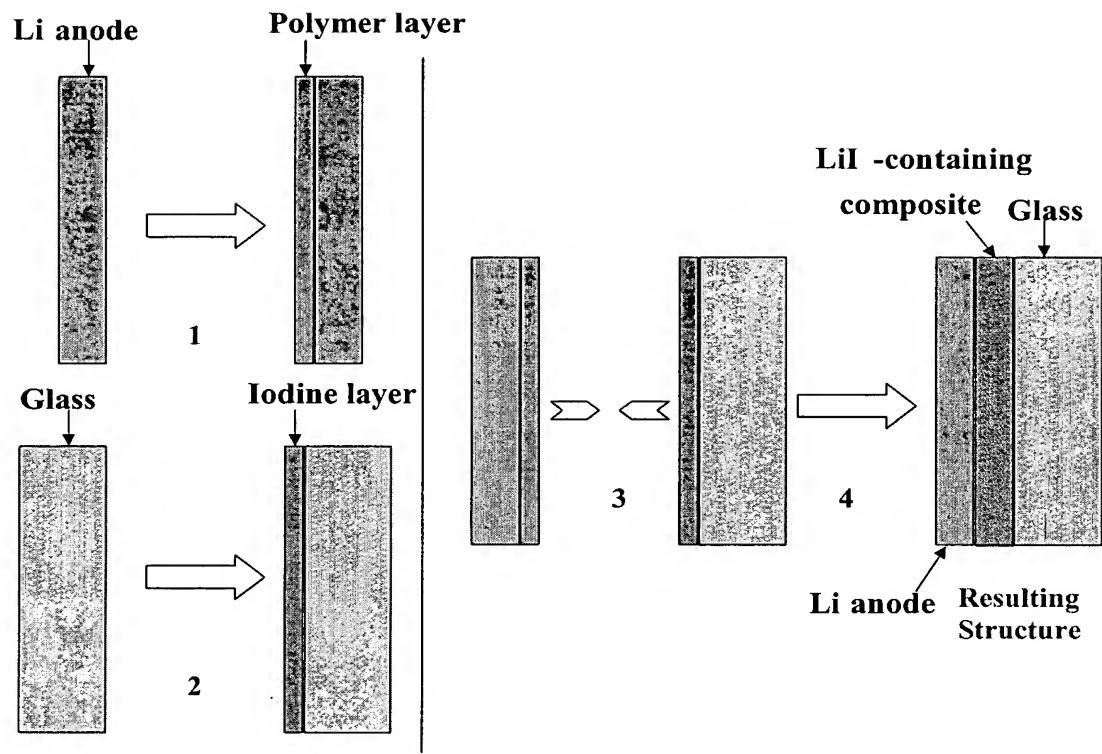


FIG. 6B

Impedance Plot for Solid-State Cell:
Li | LiPON | Cu

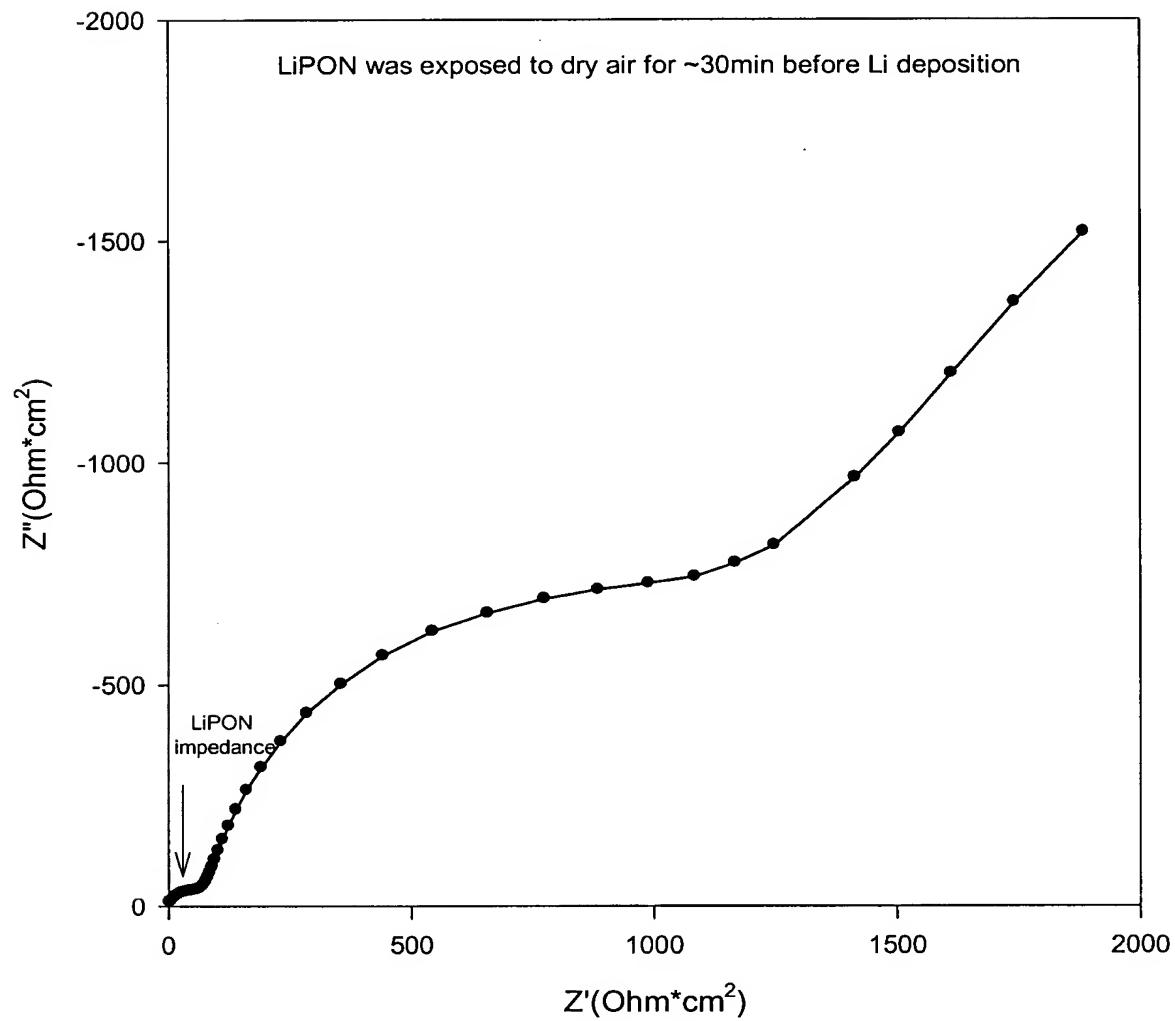


FIG. 7A

Impedance Plot for Solid-State Cell: Li |Cu₃N|LiPON | Cu
LiPON surface is protected with in situ formed Li₃N

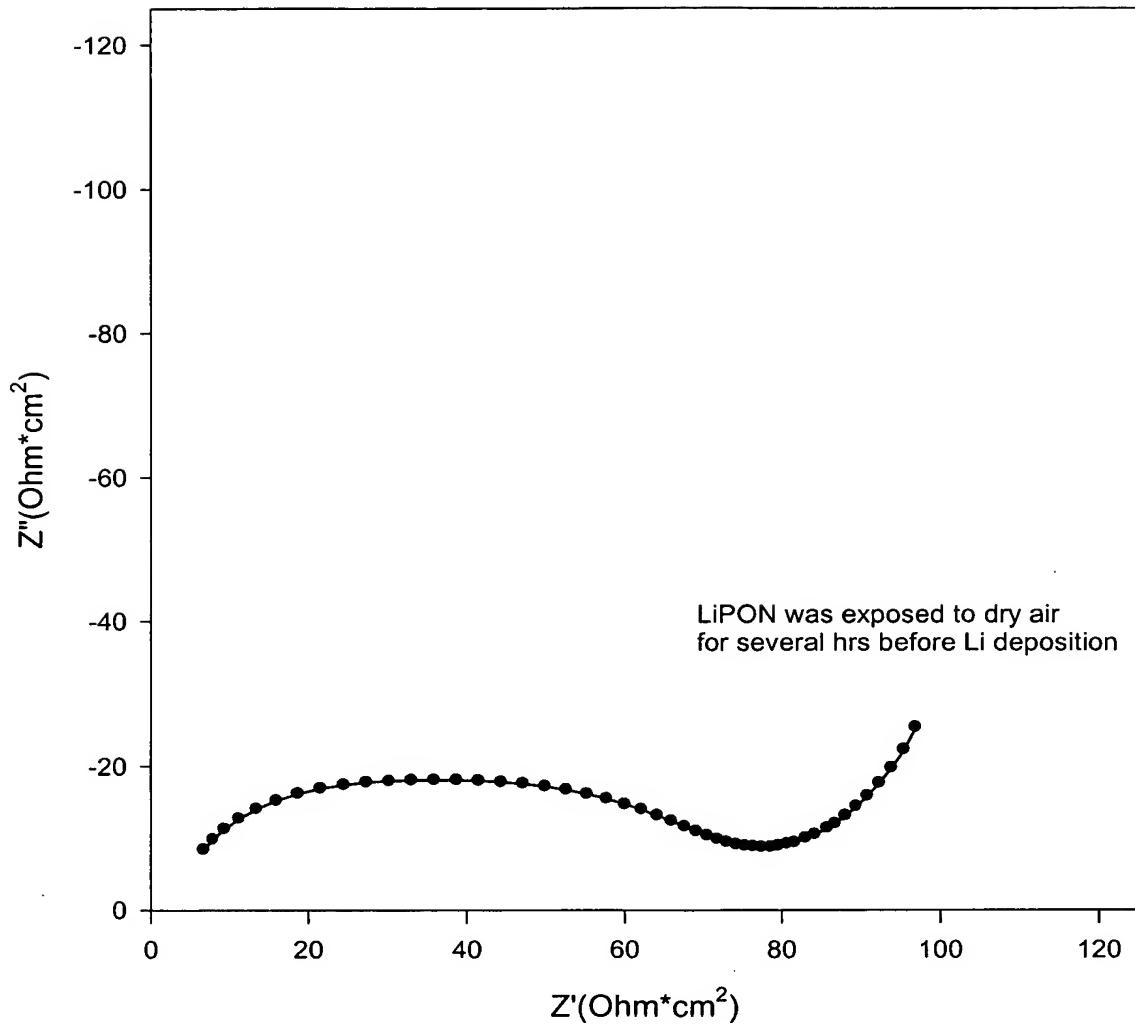


FIG. 7B

**Impedance Plot for Solid-State Cell:
Li | OHARA plate | Au**

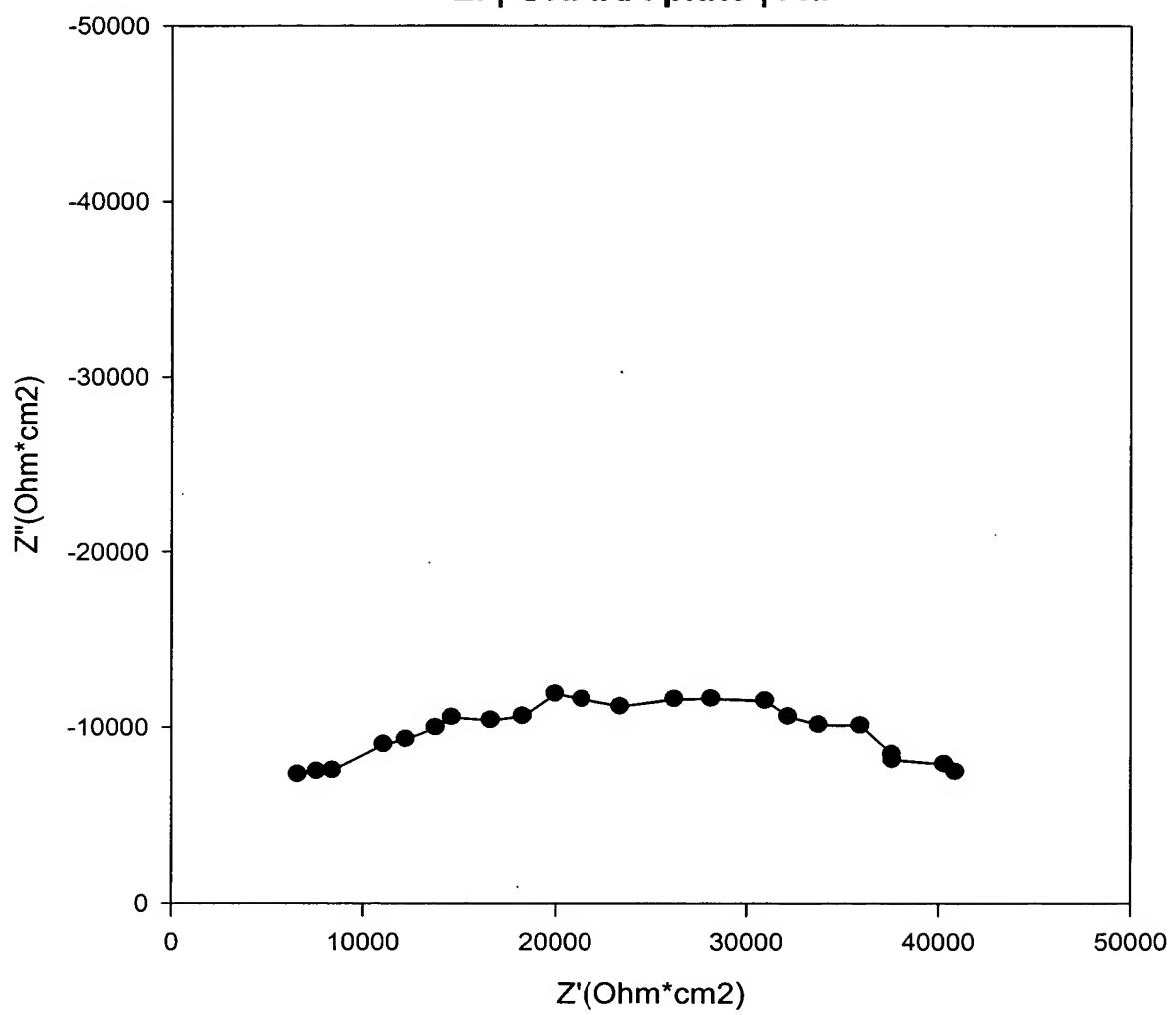


FIG. 8A

Impedance Plot for Solid-State Cell:
Li | Cu₃N | OHARA plate | Au

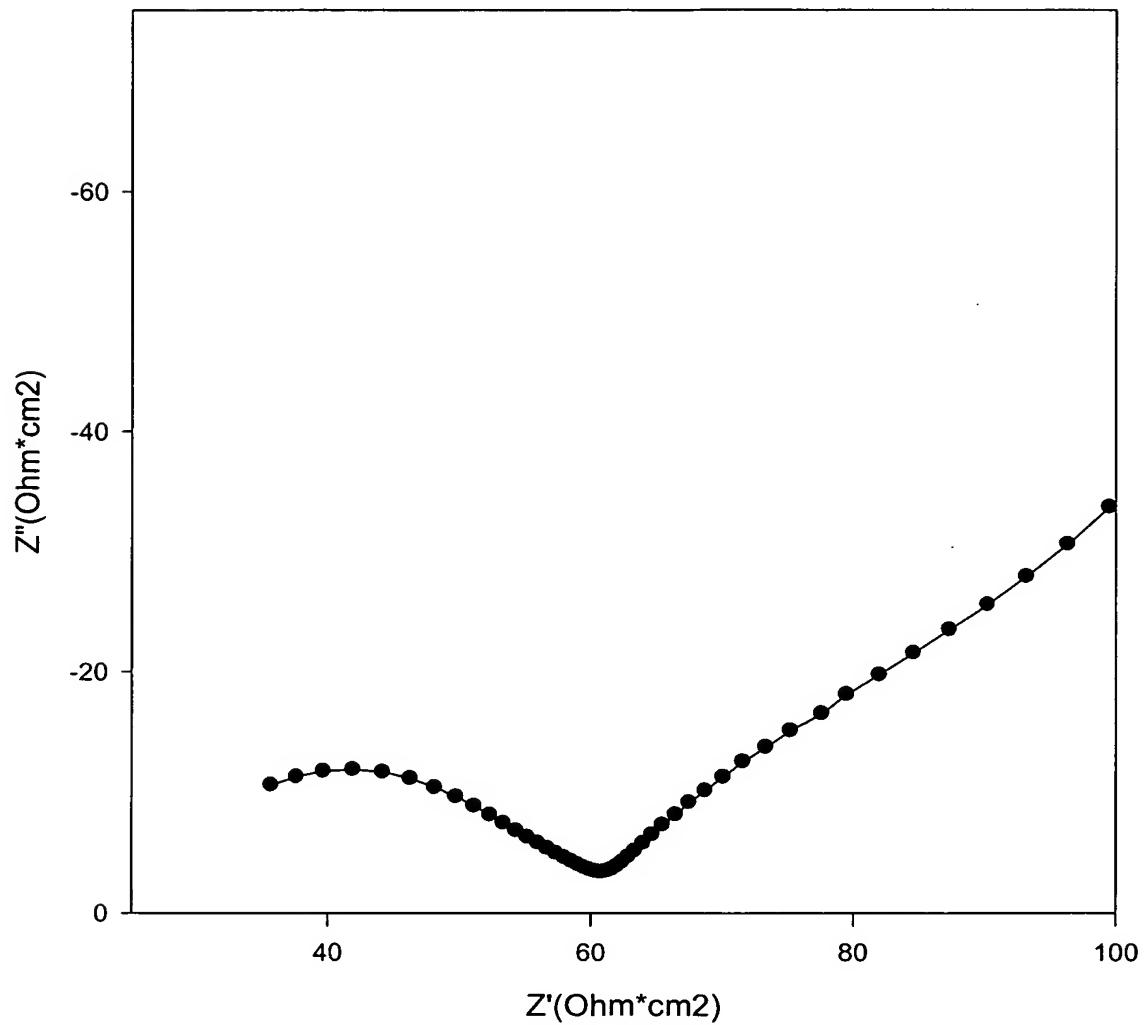


FIG. 8B

**Impedance Plot for Cells Having Unprotected
and Cu₃N-protected OHARA Material**

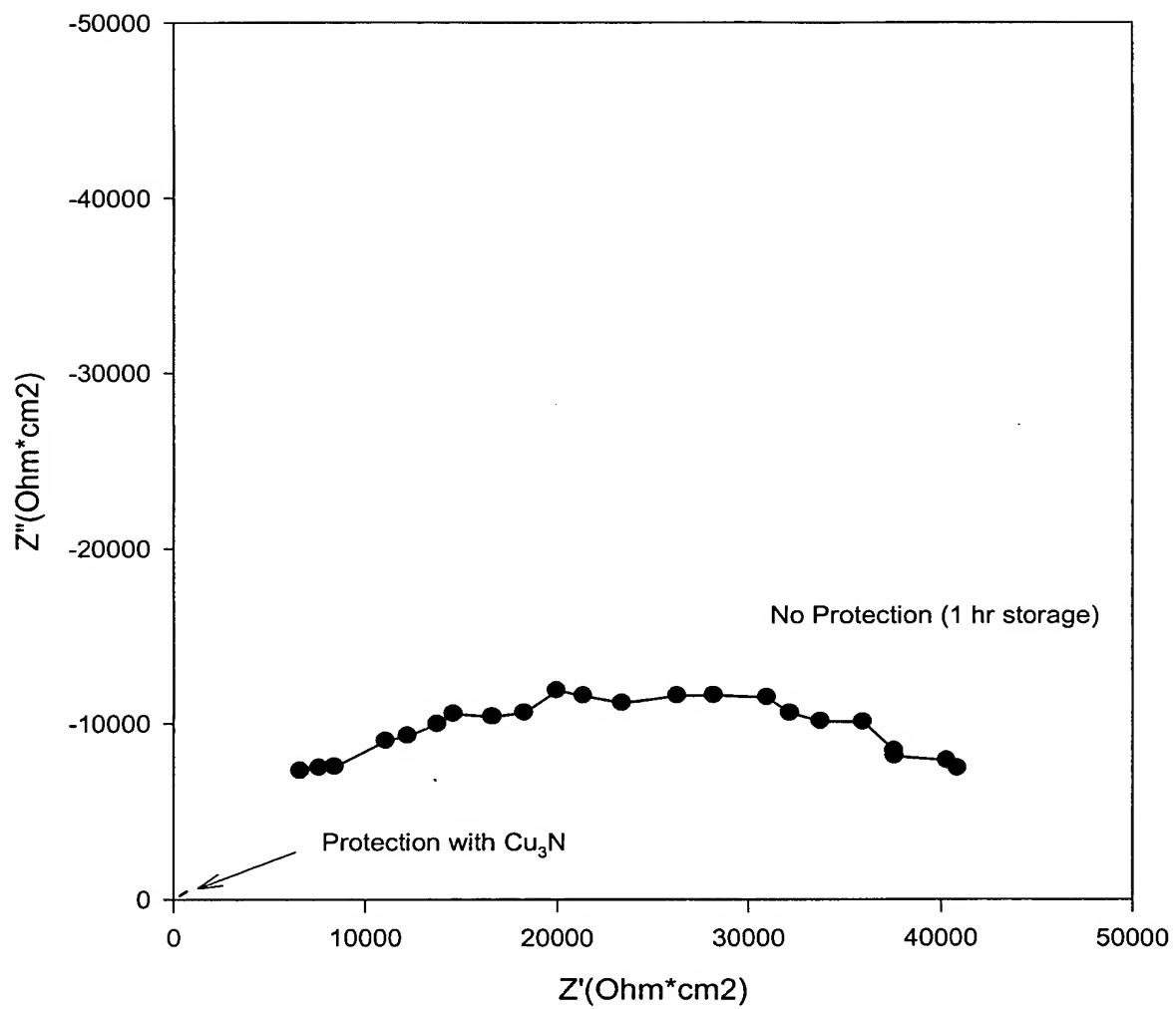


FIG. 8C

Cyclic Voltammetry for Solid State Cell:
Li | Cu₃N | OHARA plate | Au

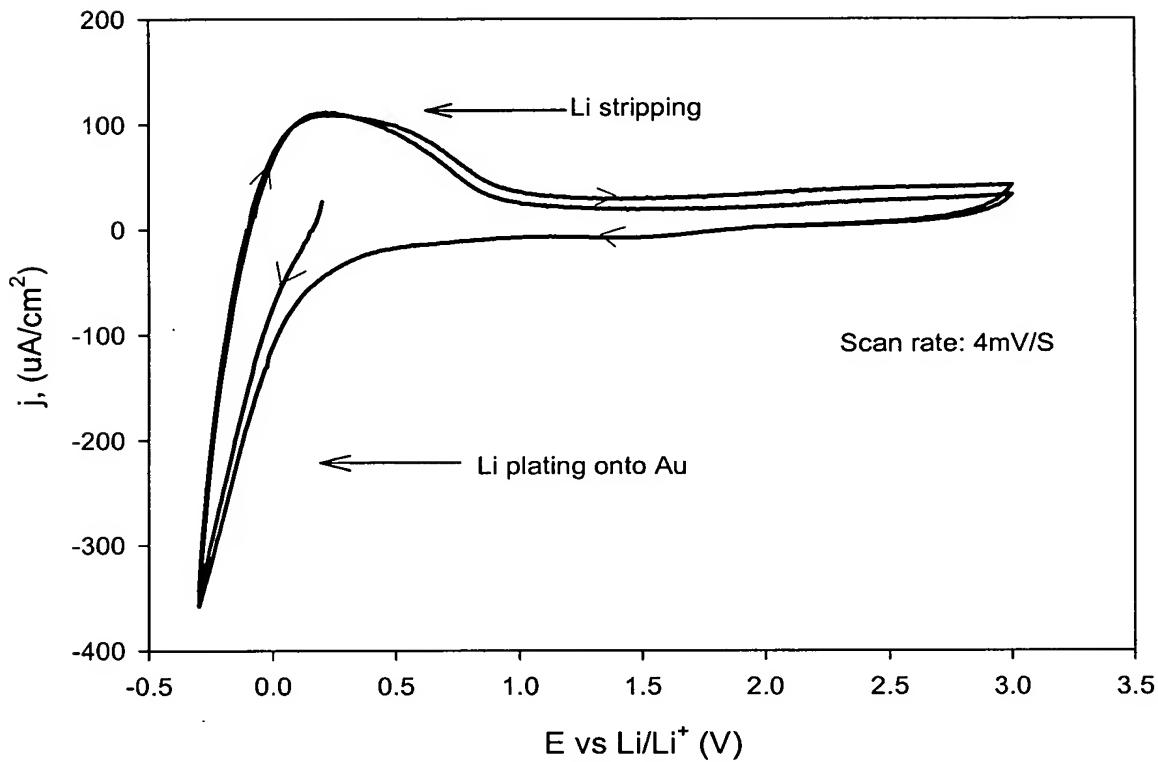


FIG. 8D